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PROSECUTION OF THE SUBJECT APPLICATION

Applicant: Z. Hu et al.

Attorney Docket No. SEMT119899

Application No.: 10/667,795

Filed: September 22, 2003

Title: THIOUREA- AND CYANIDE-FREE BATH AND PROCESS FOR  
ELECTROLYTIC ETCHING OF GOLD

U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
<i>MP1</i>	U1	3,935,005	A	01/27/1976	Solidum et al.
	U2	4,142,953	A	03/06/1979	Lovelace
	U3	4,144,090	A	03/13/1979	Franz
	U4	4,192,729	A	03/11/1980	Cancelleri et al.
	U5	4,208,378	A	06/17/1980	Heinen et al.
	U6	4,243,532	A	01/06/1981	Tsuda et al.
	U7	4,285,784	A	08/25/1981	Flinn et al.
	U8	4,303,482	A	12/01/1981	Bühne et al.
	U9	4,324,626	A	04/13/1982	McGivern, Jr.
	U10	4,358,352	A	11/09/1982	Rhoda
	U11	4,385,971	A	05/31/1983	Swartz
	U12	4,427,502	A	01/24/1984	Abys
	U13	4,430,178	A	02/07/1984	Anderson et al.
	U14	4,483,789	A	11/20/1984	Kunze et al.
	U15	4,750,977	A	06/14/1988	Marrese
	U16	5,096,550	A	05/17/1992	Mayer et al.
	U17	5,127,207	A	07/07/1992	Cunningham
	U18	5,221,421	A	06/22/1993	Leibovitz et al.
	U19	5,232,328	A	08/03/1993	Owczarz et al.

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*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
<i>MP9</i>	U20	5,304,359	A	04/19/1994	Duyvesteyn et al.
	U21	5,310,475	A	05/10/1994	Kitada et al.
	U22	5,338,416	A	08/16/1994	Mlcak et al.
	U23	5,344,491	A	09/06/1994	Katou
	U24	5,380,400	A	01/10/1995	Abys et al.
	U25	5,421,991	A	06/06/1995	Yarita
	U26	5,464,509	A	11/07/1995	Mlcak et al.
	U27	5,484,518	A	01/16/1996	Goldberg
	U28	5,494,560	A	02/27/1996	Arimoto et al.
	U29	5,529,680	A	06/25/1996	Kitada et al.
	U30	5,556,812	A	09/17/1996	Leuschner et al.
	U31	5,620,581	A	04/15/1997	Ang
	U32	5,620,583	A	04/15/1997	Kuhn et al.
	U33	5,630,932	A	05/20/1997	Lindsay et al.
	U34	5,641,391	A	06/24/1997	Hunter et al.
	U35	5,731,678	A	03/24/1998	Zila et al.
	U36	5,789,320	A	08/04/1998	Andricacos et al.
	U37	5,863,412	A	01/26/1999	Ichinose et al.
	U38	5,985,126	A	11/16/1999	Blek et al.
	U39	6,080,291	A	06/27/2000	Woodruff et al.
	U40	6,083,710	A	07/04/2000	Heller et al.
	U41	6,103,096	A	08/15/2000	Datta et al.
	U42	6,121,009	A	09/19/2000	Heller et al.
	U43	6,139,716	A	10/31/2000	McCarthy et al.
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	U46	6,203,582	B1	03/20/2001	Berner et al.
	U47	6,359,328	B1	03/19/2002	Dubin

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*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
<u>my</u>	U48	6,491,806	B1	12/10/2002	Dubin et al.
	U49	2001/0015321	A1	08/23/2001	Reid et al.
	U50	2002/0036145	A1	03/28/2002	Dubin et al.
	U51	2002/0074234	A1	06/20/2002	Dubin et al.
	U52	2002/0074238	A1	06/20/2002	Mayer et al.
	U53	2002/0084191	A1	07/04/2002	Haba et al.

### FOREIGN PATENT DOCUMENTS

*Examiner Initial	Cite No.	Document No.	Kind Code	Publication Date (mm/dd/yyyy)	Country	English Abstract Provided	Translation Provided
<u>my</u>	F1	WO 98/02909	A1	01/22/1998	WO		

### OTHER INFORMATION

(Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner Initial	Cite No.	
<u>my</u>	O1	Moffat, T.P., et al., "Superconformal Electrodeposition of Copper in 500-90 nm Features," <i>Journal of The Electrochemical Society</i> 147(12):4524-4535, 2000.
<u>my</u>	O2	Moffat, T.P., et al., "Superconformal Electrodeposition of Copper," <i>Electrochemical and Solid-State Letters</i> 4(4):C26-C29, 2001.
<u>my</u>	O3	Wheeler, D., et al., "Modeling Superconformal Electrodeposition Using the Level Set Method," <i>Journal of The Electrochemical Society</i> 150(5):C302-C310, 2003.

Examiner



Date Considered

1-18-2006

\*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicants.

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